

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1. (Currently Amended) A high-density, computer-readable medium, comprising:
at least one access block including physical address data having 24 columns and 6 rows,
and user control data having 24 columns and 24 rows;
at least one playback allowance code stored in the user control data, the at least one
playback allowance code being adapted to determine region-based allowance of playback of data
recorded on the recording medium;
at least one false playback allowance code stored in the user control data for a playback-
inhibited region, the at least one false playback allowance code being recorded with an optional
value other than a value of said playback allowance code; and
at least one of an address unit number and user data recorded on the recording medium,
wherein at least one of the address unit number and the user data is scrambled by being
logically combined with said at least one playback allowance code.
2. (Cancelled)
3. (Previously Presented) The high-density, computer-readable medium according to claim
1, wherein said at least one playback allowance code comprises a code for a playback-allowed
region, the code for the playback-allowed region being combined with at least one of the address
unit number and the user data in a scrambled state.
4. (Cancelled)

5. (Previously Presented) The high-density, computer-readable medium according to claim 1, wherein said at least one playback allowance code is used to de-scramble at least one of the address unit number and the user data when the computer-readable medium is played back.

6. (Cancelled)

7. (Currently Amended) A method for reproducing data of a high-density, computer-readable medium, comprising the steps of:

(A) identifying region identification information stored in a recording/reproducing apparatus, and detecting a region-based playback allowance code stored in user control data of the computer-readable medium that includes at least one access block having physical address data and user control data, the physical address data having 24 columns and 6 rows, the user control data having 24 columns and 24 rows, the playback allowance code corresponding to the identified region identification information; ~~and~~

(B) de-scrambling a scrambled address unit number read from the computer-readable medium, based on the detected playback allowance code, and performing a data reproducing operation by referring to the de-scrambled address unit number; and

(C) associating at least one false playback allowance code stored in the user control data with a playback-inhibited region, the at least one false playback allowance code being recorded with an optional value other than a value of said playback allowance code.

8. (Previously Presented) The method according to claim 7, wherein the region identification information is intrinsic region identification information for a region where the recording/reproducing apparatus is to be sold and used.

9. (Previously Presented) The method according to claim 7, wherein the step (B) comprises the step of logically combining the detected playback allowance code with the scrambled address unit number read from the computer-readable medium, thereby de-scrambling the scrambled address unit number into an original address unit number.

10. – 13. (Cancelled)

14. (Currently Amended) A method of recording data on a high-density, computer-readable medium, comprising the steps of:

(A) selecting a region-based playback allowance code in order to restrict a playback, the region-based playback allowance code being unique to at least one region and being stored in user control data of at least one data block, the at least one data block including physical address data having 24 columns and 6 rows, and the user control data having 24 columns and 24 rows; ~~and~~

(B) scrambling at least one of a user data and an address unit based on the selected region-based playback allowance code; and

(C) associating at least one false playback allowance code stored in the user control data with a playback-inhibited region, the at least one false playback allowance code being recorded with an optional value other than a value of said playback allowance code.

15. (Previously Presented) The method of claim 14, further comprising the step of:

(C) recording at least one of the scrambled user data and the address unit with the selected region-based playback allowance code on the high-density recording medium.

16. (Previously Presented) The method of claim 14, wherein the selected region-based playback allowance code is one of at least two codes.

17. (Currently Amended) A method of recording data on a high-density, computer-readable recording medium, comprising the steps of:

(A) selecting a region-based playback allowance code in order to restrict a playback, the region-based playback allowance code being unique to at least one region and being stored in user control data of at least one data block, the at least one data block including physical address data having 24 columns and 6 rows, and the user control data having 24 columns and 24 rows;

(B) scrambling at least one of a user data and an address unit based on the selected region-based playback allowance code; and

(C) recording the at least one of the scrambled user data and address unit, and at least one of a non region-based playback allowance code along with the selected region-based playback allowance code on the high-density recording medium;

(D) associating at least one false playback allowance code stored in the user control data with a playback-inhibited region, the at least one false playback allowance code being recorded with an optional value other than a value of said playback allowance code.

18. (Cancelled)

19. (New) The high-density, computer-readable medium according to claim 1, further comprising a second playback allowance code stored in the user control data, the second playback allowance code being adapted to determine region-based allowance for a second region for playback of data recorded on the recording medium.

20. (New) The method according to claim 7, further comprising detecting a second playback allowance code stored in the user control data, the second playback allowance code being adapted to determine region-based allowance for a second region for playback of data recorded on the recording medium.

21. (New) The method of claim 14, further comprising detecting a second playback allowance code stored in the user control data, the second playback allowance code being adapted to determine region-based allowance for a second region for playback of data recorded on the recording medium.

22. (New) The method of claim 17, further comprising detecting a second playback allowance code stored in the user control data, the second playback allowance code being adapted to determine region-based allowance for a second region for playback of data recorded on the recording medium.